

# Work Order ID 62565 - SCRAP



Page 1

Monday, October 04, 2010 1:11:51 PM

Item ID: D4093-1

Accept



Setup Start



Revision ID:

Item Name: Bracket

Stop



Start Date: 10/5/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 10/18/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: MF

Date: 10-10-04 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4093

A

110

0.00



Waterjet

Memo

0.00

FLOW CNC Waterjet

CUT AS DWG

DWG REV: 4

PROG REV: A

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

B10-10-5

6061 .75X 6"

DEBURR

120

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

B10-10-5

Scrap  
parts have  
very bad  
finish

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 62565**

Monday, October 04, 2010 1:11:51 PM

Page 2

Item ID: D4093-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Bracket

Start Date: 10/5/2010 Start Qty: 2.00

Cust Item ID:

Required Date: 10/18/2010 Req'd Qty: 2.00

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC8- Inspect parts - second check

0.00

S 10/10/05



QC

Memo

0.00

Quality Control

+2

132

0.00



Small Fab

Memo

0.00

Small Fab

DRILL AS PER DWG

J.F.S. 10/10/22

+2

135

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

S 10/10/05

+2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
84

Monday, October 04, 2010 1:11:51 PM

**Accept**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
84

**Setup Start**

\_\_\_\_\_

**Stop**

[REDACTED]

**Cust Item ID:**

**Start Date:** 10/5/2010      **Start Qty:** 2.00

**Required Date:** 10/18/2010      **Req'd Qty:** 2.00

**Customer:**

**Reference:**

Run Start



**Approvals:** \_\_\_\_\_ **Process Plan:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Tooling:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Stop**



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

## Operation Description

## Set Up/ Run Hours

**Tool ID****Tool #**

### Plan Code

**Accept**  
**Qty**

Reject  
Qty

### Reject Number

**Insp.**  
**Stamp**

170

Identify as per dwg & Stock Location:\_\_\_\_\_

0.00

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

### Packaging

## Memorandum

PIP  
62562  
6253

0.00

### Packaging

180

QC21- Final Inspection - Work Order Release

0.00

**THE UNIVERSITY OF CHICAGO**

QC

## Memo

0.00

## Quality Control

Qty Qty Number Stamp

Copy 2 2

10.11.09

10.11.09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
10/11/15		finish not acceptable 10/11/15		Scrap/destroy	EP 10/11/15 (24)		U 10/11/15	

**NOTE:** Date & initial all entries



# Picklist Print

Page 1

Monday, October 04, 2010 1:11:50 PM

Work Order ID: 62565



Parent Item: D4093-1



Parent Item Name: Bracket

Start Date: 10/5/2010

Required Date: 10/18/2010

Start Qty: 2.00

Required Qty: 2.00

Comments: Ipp Rev:A New Issue 10-05-31 JLM Verified By:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6B0.750X06.00 0		Purchased	No				f	42.0800	1	2			



6061T6 BAR .750 X 6.00

B10-10-5

Location

Loc Qty

Loc Code

MAT03

42.08

112567

42.08

112567

②

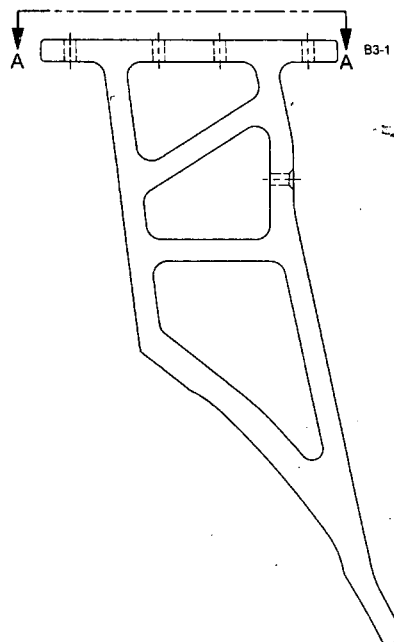
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

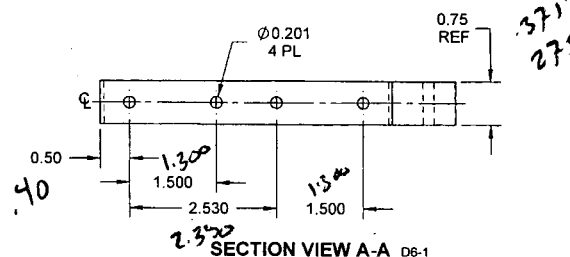
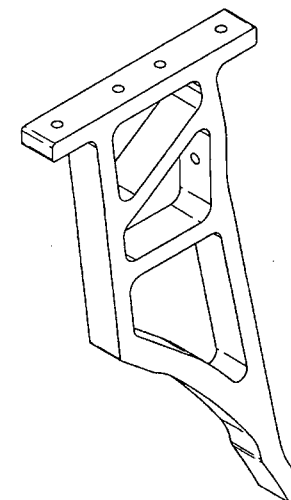
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



#62565



# **D4093-1 BRACKET**

RELEASED  
2010-09-23

## **NOTES:**

- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT "WHITE" (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.87 lbs

A NEW ISSUE		RF	10.09.16
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA	
DRAWN	RF		
CHECKED	MP	DRAWING NO.	REV. A
MFG. APPR.	MP	D4093	SHEET 1 OF 5
APPROVED	MP	TITLE	SCALE
DE APPR.	MP	BRACKET	NTS
DATE	10.09.16	<small>COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

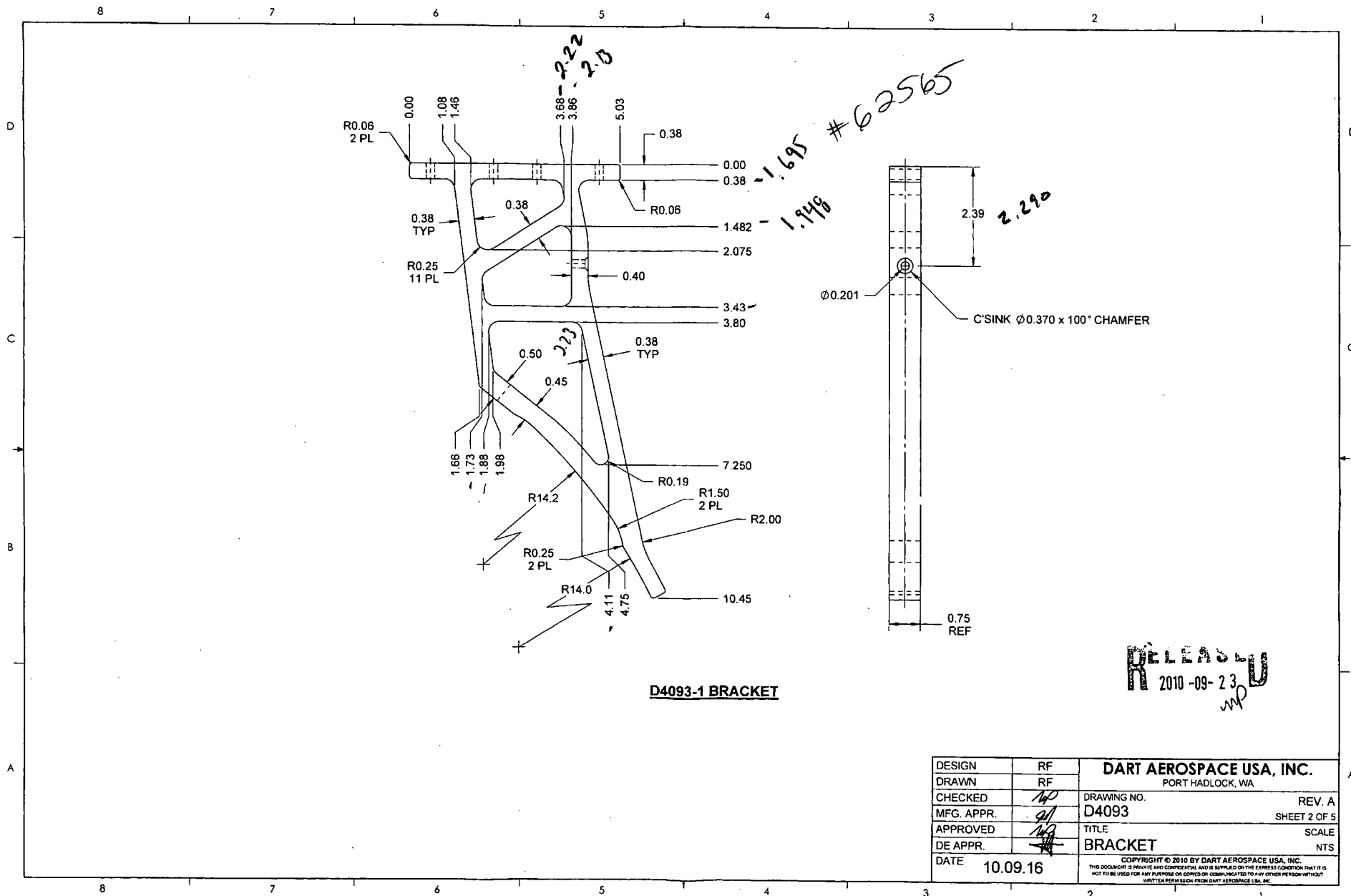
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

DART AEROSPACE LTD		Work Order: 62565
Description: BRACKET		Part Number: D4093-1
Inspection Dwg: D4093-1 Rev: A		Page 1 of 1

### FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.08	± .030	1.083	X		V HB02	
1.46	± .030	1.460	X		V	
3.86	± .030	3.863	X		V	
5.03	± .030	5.027	X		V	
.38	± .030	.375	X		V	
1.482	± .010	1.480	X		V	
2.075	± .010	2.078	X		V	
.40	± .030	.410	X		V	
3.43	± .030	3.426	X		V	
3.86	± .030	3.861	X		V	
.38	± .030	.377	X		V	
.45	± .030	.461	X		V	
.50	± .030	.509	X		V	
7.250	± .00	7.247	X		V	
10.45	± .030	10.443	X		VPR6 HB02	
.75	± .030	.740	X		V	
<del>2.39</del>	<del>± .030</del>	<del>2.391</del>	<del>X</del>		<del>V</del>	
<del>0.50</del>	<del>± .030</del>	<del>0.497</del>	<del>X</del>		<del>V</del>	
<del>1.500</del>	<del>± .010</del>	<del>1.499</del>	<del>X</del>		<del>V</del>	
<del>2.530</del>	<del>± .010</del>	<del>2.526</del>	<del>X</del>		<del>V</del>	
<del>1.500</del>	<del>± .010</del>	<del>1.499</del>	<del>X</del>		<del>V</del>	
<del>Ø.201</del>	<del>±.005/- .001</del>	<del>Ø.201</del>	<del>X</del>		<del>V</del>	4 Places
<del>C'SINK Ø.30</del>	<del>± .010</del>	<del>Ø.365</del>	<del>X</del>		<del>V</del>	

Measured by: IB / J.F.S.	Audited by: S	Prototype Approval:	N/A
Date: 10-10-5	Date: 10/10/05	Date:	N/A

Rev	Date	Change	Revised by	Approved
A		New Issue	KJ/JLM	





## Receiving Report

Date: 9/9/02

Batch No: M112067

Supplier: MAGNA

Dart P/O: 10312

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection ☒ 8 N/A ☐  
 Work Order 09109/02 N/A ☒

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M6061	TGB-200x0100	40	0	0	40	
M6061	630181x040	40	0	0	40	
M606	HGB1-200x040	40	0	0	40	

M6061 TGB-200x0100

Initials of receiver (if shipment OK) Level 12

Production/Admin:

Date

09/09/02

Location

Received/Costing

RCP 10312

Initial

CV

M 3045126A

64 0 0 69

Currency	Sales Person	Ship Via	F.O.B.	Terms
CANADIAN DOLLARS	ERYCK BLAIS	NIR:R-557065-1	PREPAID	NET 30 DAYS

Ln	Back Ordered	Ordered	Unit	Description	Shipped	Price Per	Value
ALUMINUM FLATS							
3		PC	AFL 6061 T6 3/4" x 6" x R/L		3 UN	215.00	645.00
			L030012 20' 3 PC/318 LB				
2		PC	AFL 6061 T6 3/4" x 1" x R/L		2 UN	36.00	72.00
			L026715 20' 2 PC/35 LB				
3		PC	AFL 6061 T6 1" x 2" x R/L		3 UN	95.00	285.00
			L026407 20' 3 PC/142 LB				
2		PC	AFL 6061 T6 1/2" x 6" x R/L		2 UN	145.00	290.00
			L027689 20' 2 PC/142 LB				
ALUMINUM ROUND BAR							
2		PC	ARB 6061 T6 3/8" x R/L		2 UN	6.00	12.00
			L026602 20' 2 PC/5 LB				
ALUMINUM SHEET							
4		PC	ASH 6061 T6 .050" x 48" x 96"		4 UN	92.00	368.00
			L029081 4 PC/92 LB				
2		PC	ASH 6061 T6 .125" x 48" x 96"		2 UN	202.00	404.00
			L030531 2 PC/115 LB				
ALUMINUM SQUARE BAR							
2		PC	ASQ 6061 T6 3/4" x R/L		2 UN	27.00	54.00
			L020464 20' 2 PC/26 LB				
STAINLESS ROUNDS							
5		PC	SRB 303 1/2" x R/L		5 UN	18.00	90.00
			L029043 12' 1" 5 PC/40 LB				
7		PC	SRB 303 3/4" x R/L		7 UN	22.00	154.00

# Purchase Order Receipt Listing

Page 1 of 2

September 2, 2009 11:34:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO10312 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-MAG002 Magna Stainless											
PO10312	1		M6061T6B0.750X06. f 000		9/04/09	9/02/09	60.0000	\$10.75	0.0000	0	\$645.00
CAD	No		6061T6 BAR .750 X f 6.00 112567		60.0000	LAVO01		\$645.00	0.0000	0	
	2		M6061T6B0.750X01. f 000		9/04/09	9/02/09	40.0000	\$3.00	0.0000	0	CL \$120.00
	No		6061-T6 Bar .750 x f 1.00 112567		24.0000	LAVO01		\$120.00	0.0000	0	
	4		M6061T6B0.750X00. f 750		9/04/09	9/02/09	40.0000	\$1.35	0.0000	0	\$54.00
	No		6061-T6 Bar .750 x f .750 112567		40.0000	LAVO01		\$54.00	0.0000	0	
	5		M6061T6B1.000X02. f 000		9/04/09	9/02/09	60.0000	\$4.75	0.0000	0	\$285.00
	No		6061-T6 Bar 1.00 x f 2.00 112567		60.0000	LAVO01		\$285.00	0.0000	0	
	6		M6061T6B0.500X06. f 000		9/04/09	9/02/09	40.0000	\$7.25	0.0000	0	\$290.00
	No		6061-T6 Bar .500 x f 6.00 112567		40.0000	LAVO01		\$290.00	0.0000	0	
	9		M6061T6R0.375 f		9/04/09	9/02/09	40.0000	\$0.50	0.0000	0	\$20.00 CL
	No		6061-T6 Round Bar f .375" 112567		24.0000	LAVO01		\$20.00	0.0000	0	
	10		M6061T6S.050 sf		9/04/09	9/02/09	128.0000	\$2.88	0.0000	0	\$368.00
	No		6061-T6 .050 Sheet sf 112567		128.0000	LAVO01		\$368.00	0.0000	0	



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO10312

Purchase Order Date 9/01/09

PO Print Date 9/01/09

Page Number 1 of 4

Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

**FAKED**  
028910710

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6B0.750X06.000	6061T6 BAR .750 X 6.00	9/04/09 Yes	✓ 60.00	Yours ppd f 12/9/12	\$10.7500	\$645.00
Special Inst:			MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 BAR PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 New 40				
2	✓ M6061T6B0.750X01.000	6061-T6 Bar .750 x 1.00	9/04/09 Yes	24.00	Yours ppd f 12/9/12	\$3.0000	\$72.00
Special Inst:			AS ABOVE				
3	M6061T6B0.187X04.000	6061-T6 Bar .178 x 4.00	9/04/09 Yes	40.00	Yours ppd f	\$1.7500	\$70.00
Special Inst:			AS ABOVE				
4	✓ M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	9/04/09 Yes	✓ 40.00	Yours ppd f 12/9/12	\$1.3500	\$54.00

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

M112567

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 9/01/09

## Material Test Report

Customer Ship To:

Magna Stainless Inc.  
5775 Kieran St.

St-Laurent  
QB H4S 0A3

Our Order: 831165 - 2  
Your PO # PO05960  
Part # 05873-000-240  
Die: LS05873  
Description: .750 x 6.000  
Alloy Temper 6061 T6  
Print Date: 7/31/2009

### Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

### Mechanical Properties

#### Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
1426	7/27/09	09050391A	44.04	40.51	19.5

Applicable Specifications: ASTM B221-08 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Eric Hotte - Tensile Testing

Authorized

  
Evan Eng, Quality Assurance Mgr.



# Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

## PACKING LIST

I016123

Page: 1 of 2

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Contact: CHANTAL

HAWKESBURY, ON  
K6A 1K7  
Ship Terms: PREPAID

STOCK

MAGNA

MTR: Y

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		ERYCK BLAIS	(613) 632-5200	(613) 632-1053	P010312	
Sales Order	Terms		Ship Via	Date Ordered	Date Required	Date Shipped
W017754	NET 30 DAYS		NIR:R-557065-1	09/01/09	09/02/09	09/02/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
3		PC	ALUMINUM FLATS AFL 6061 T6 3/4" x 6" x R/L 20' 318 LB / 3 PC	L030012	09050391A	3
2		PC	AFL 6061 T6 3/4" x 1" x R/L 20' 35 LB / 2 PC	L026715	20296	2
3		PC	AFL 6061 T6 1" x 2" x R/L 20' 142 LB / 3 PC	L026407	6673	3
2		PC	AFL 6061 T6 1/2" x 6" x R/L 20' 142 LB / 2 PC	L027689	09050391A	2
2		PC	ALUMINUM ROUND BAR ARB 6061 T6 3/8" x R/L 20' 5 LB / 2 PC	L026602	45711	2
4		PC	ALUMINUM SHEET ASH 6061 T6 .050" x 48" x 96" 92 LB / 4 PC	L029081	1786831	4
2		PC	ASH 6061 T6 .125" x 48" x 96" 115 LB / 2 PC	L030531	329280101	2
2		PC	ALUMINUM SQUARE BAR ASQ 6061 T6 3/4" x R/L 20' 26 LB / 2 PC	L020464	5716	2

Received by: [Signature]

Date: 2/09/09

Signature: \_\_\_\_\_



### Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211. Watts: 1-800-363-6646 Fax: (514) 339-1105

### PACKING LIST

I016123

Page: 2 of 2

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Contact: CHANTAL

HAWKESBURY, ON  
K6A 1K7  
Ship Terms: PREPAID

MTR:Y

SPECIAL INSTRUCTIONS

STOCK

Currency		Sales Person		Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		ERYCK BLAIS		(613) 632-5200	(613) 632-1053	P010312	
Sales Order	Terms		Ship Via		Date Ordered	Date Required	Date Shipped
W017754	NET 30 DAYS		NIR:R-557065-1		09/01/09	09/02/09	09/02/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
5		PC	STAINLESS ROUNDS SRB 303 1/2" x R/L			5
			12'1" 40 LB / 5 PC	L029043	422802	5
7		PC	SRB 303 3/4" x R/L			7
			12'7" 134 LB / 7 PC	L029510	17578	7
			STAINLESS SHEET			
3		PC	SSH 304 2B 16ga x 48" x 96"			3
			252 LB / 3 PC	L030449	A2800233	3
6		PC	SSH 304 2B 20ga x 48" x 96"			6
			300 LB / 6 PC	L029414	SC18740	6
Bundles: 2		Skids: 1	Total Weight:			1,601 LB

Received by: *Line George*

Date: 2/09/09

Signature: \_\_\_\_\_